ERRATA NOTICE

EOS Core System (ECS) Project Contract No. NAS5-60000

October 17, 1996

Document No.:   814-RD-004-011

Title: Interim Release One (Ir1) Version Description Document (VDD) for the ECS Project

Enclosed please find change pages for the subject document. Please replace the pages as follows:

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EOSDIS Core System Project

Interim Release One (Ir1) Version Description Document (VDD) for the ECS Project

Subject to government approval and not intended for general distribution.

Version 1.04.05

October 9, 1996

Hughes Information Technology Systems
Upper Marlboro, Maryland

Interim Release One (Ir1) Version Description Document (VDD) for the ECS Project

Version 1.04.05

October 9, 1996

Prepared Under Contract NAS5-60000

SUBMITTED BY

Robert E. Clinard /s/	10/9/96

Robert E. Clinard, ECS CCB Chairman   Date
EOSDIS Core System Project

Hughes Information Technology Systems

Upper Marlboro, Maryland

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Preface

Note: Version 1.04.04 of Interim Release One (Ir1) was released prior to Version 1.04.03.

This document describes the configuration of Version 1.04.05 and the delta changes since the release of Version 1.04.03 of Interim Release One (Ir1). This attachment reflects updates to software released as of October 9, 1996. It is not a formal deliverable and does not require Government approval. However, it has been placed under configuration control by the ECS CCB. Changes to this document shall be made by document change notice (DCN) or by complete revision.

Any questions regarding distribution should be addressed to:

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Abstract

This document describes the delivery contents of Ir1 (also referred to as *the product*) components including Commercial Off-The-Shelf (COTS) hardware and software (*Ir1 COTS*), Version 1.00 of custom Ir1 ECS software (*Ir1 Software*) and accompanying documentation.

The purpose of this document is to describe the contents of the Ir1 delivery. It briefly describes the capabilities of the product, provides an inventory of the delivery, lists unresolved problems, and addresses issues such as special operating instructions, system limitations, and disclaimer notices for public domain software used in the product.

This document describes the configuration of Version 1.04.05 and the delta changes since the release of Version 1.04.03 of Interim Release One (Ir1). This attachment reflects updates to software released as of October 9, 1996.

Note: Version 1.04.04 of Interim Release One (Ir1) was released prior to Version 1.04.03.

Keywords: version, description, release, software, Ir1, hardware, deliver, CCB, problems, instructions, TRMM, SSI&T, inventory, patch

Change Information Page

List of Effective Sections	
Section Number	**Issue**
4.2	Version 1.04.05
5.2	Version 1.04.05
Appendix F	Version 1.04.05

Document History			
Document Number	**Status/Issue**	**Publication Date**	**CCR Number**
814-RD-004-001	Original, Version 1.00	January 3, 1996	96-0044
814-RD-004-002	Version 1.01	January 31, 1996	96-0107
814-RD-004-003	Version 1.02	February 9, 1996	96-0108
814-RD-004-004	Version 1.03	April 10, 1996	96-0370
814-RD-004-005	Version 1.03	May 7, 1996	96-0370A
814-RD-004-006	Version 1.04	May 22, 1996	96-0523
814-RD-004-007	Version 1.04.01	June 11, 1996	96-0624
814-RD-004-008	Version 1.04.02	July 12, 1996	96-0681
814-RD-004-009	Version 1.04.04	August 14, 1996	96-0886
814-RD-004-010	Version 1.04.03	August 28, 1996	96-0965
814-RD-004-011	Version 1.04.05	October 9, 1996	96-1154

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4.2 COTS Software Listing

Table 4.2-1 provides a detailed list of the deployed patches for Ir1 Version 1.04.05 software. The COTS software is scheduled for delivery to LARC and EROS for Ir1.

Patch software should not be installed by default. Install only those patches which correct the problems encountered at the site.

Table 4.2-1. COTS Software Report
(Ir1 VDD Version 1.04.05)

SITE: LARC, Hampton, VA		SUBSYSTEM: N/A						
ECSNAM	MFR/DEV	DESCRIPTION	MOD/VER	File(s) Location	Hardware Platform	PARENT_ ECN	SERIAL_ NUM	QTY/ LIC
N/A	SGI	Patch SG0001087	IRIX 6.1		•All IP19 •All IP21 •All IP26	N/A	N/A	1
N/A	SGI	Patch SG0000893	IRIX 6.1		All 32-bit systems with FDDXPress FDDI boards.	N/A	N/A	1

SITE: EROS, Souix Falls		SUBSYSTEM: N/A						
ECSNAM	MFR/DEV	DESCRIPTION	MOD/VER	File(s) Location	Hardware Platform	PARENT_ ECN	SERIAL_ NUM	QTY/ LIC
N/A	SGI	Patch SG0001087	IRIX 6.1		•All IP19 •All IP21 •All IP26	N/A	N/A	1
N/A	SGI	Patch SG0000893	IRIX 6.1		All 32-bit systems with FDDXPress FDDI boards.	N/A	N/A	1

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5.2 Ir1 Non-Conformance Reports (Closed Status)

NCRs closed as of October 9, 1996.

Problem id: **ECSed01890**
Severity: 3
Title: The system clock moves ahead one day after reboot on spr1sgigsfc
Problem: Known problem with IRIX 6.1
Resolution: Fix by Lucy Lee 9/3/96 (entered by Mike Molinet 9/25/96):

During analysis and testing for NCRs #2331 and #2332, kernel rollup patches #1087 and its replacement, #1340 (currently in beta test), were installed on the Langley science processor, spr1sgilarc.

These kernel patches resolved the problem with the system clock advancing at reboot, and had no adverse impact on the system. The system was exercised thoroughly (via CERES SSI&T) following the installation of each patch.

Problem id: **ECSed02332**
Severity: 1
Title: Science Processor Hangs at IRIX 6.1 (Langley)
Problem: spr1sgilarc was returned to service on June 14, 1996, following an extended period of corrective maintenance for ongoing CPU Panics.

Since its return to service, the system has repeatedly hung every 2 1/2 to 3 1/2 days. After the third hang, kernel patch #1087 (installed during corrective maintenance on 06/13) was removed. The system then hung within twelve hours. Kernel patch #1087 was re-installed.

Following three additional hangs (06/26, 06/29, and 06/30), kernel patch #1340 was installed on 06/30 upon the recommendation of the SGI service support representative. The system remains under constant scrutiny.

This problem has been escalated by EDS, and is being actively pursued by SGI field support.
Resolution: Fix by Lucy Lee 9/3/96 (entered by Mike Molinet 9/25/96):

8/13/96-8/19/96: In support of hardware debugging for NCR #2331, patches #893 (FDDI) and #1340 (6.1 kernel rollup) were removed.

8/19/96: FDDI patch #893 reinstalled. Enhanced hang job mix was started and allowed to run.

8/23/96: System remained up for 7+ days without hanging. Testing of patch #893 terminated.

Recommend formal installation of FDDI patch #893.

Appendix F. Archive Tapes

The following magnetic tape is used to archive the delivered baseline configuration of the developed software.

904-PR- 024-001

Label: SGI_100496_patches_IR1-1.04.05 Distribution Date: October 4, 1996

>>> 5.0gbyte format (high density) <<<

SGI_100496_patches_IR1-1.04.05.tar

All documents (VDD and User's Guide)

Command to untar tar tape: tar xvf ##

Command to untar tar file: tar xvf file.tar

where ## = your tape device and file.tar = Name you give tar file

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